

Storage SuperServer SSG-640P-E1CR36H



More details here

Key Applications

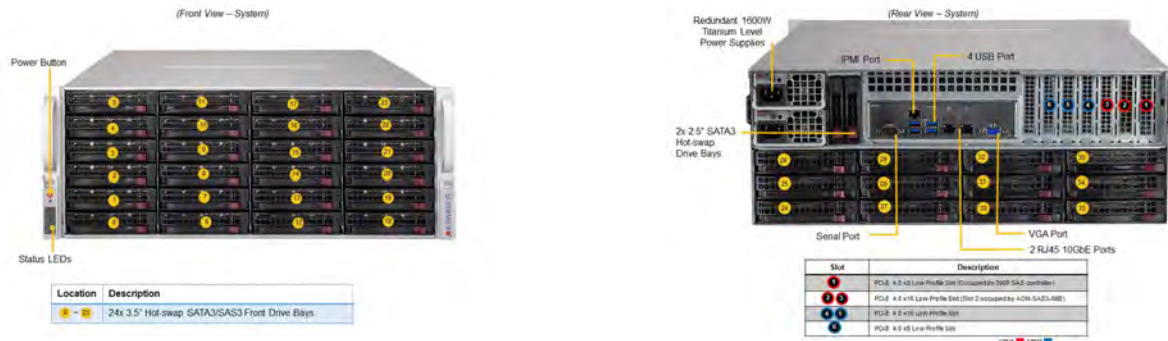
Enterprise Server, iSCSI SAN, HPC, Data Center, Database Processing & Storage, Corporate Database,

Key Features

- Dual socket 3rd Gen Intel® Xeon® Scalable processors, up to 72 Cores Per Node;
- 16 ECC DDR4-3200: LRDIMM/RDIMM + 2 Intel® Optane™ Persistent Memory Dedicated Slots;
- 2x 10Gbe; Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN per node;
- 36 3.5"/2.5" Hot-swap SAS3/SATA3 drives (4 Hybrid NVMe), 2x Rear SATA Slots, 1x SATA/NVMe M.2 (form factor: 2280 and 22110);
- 7x 8cm hot-swap counter-rotate redundant PWM cooling fans;
- 1600W Redundant Power Supplies Titanium Level (96%);
- HW RAID support via Broadcom® 3908;



Form Factor	4U Rackmount Enclosure: (17.2" x 7" x 27.5") Package: (27" x 15" x 39")
Processor	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W; 3 UPI
System Memory	16 DIMM slots Up to 18TB Intel® DCPMM, DDR4-2666MHz Up to 4TB ECC RDIMM/LRDIMM, DDR4-3200MHz
Drive Bays	36x 3.5" hot-swap SATA3/SAS3 drive bays (4x 3.5" NVMe hybrid) 1 M.2 NVMe
Expansion Slots	3 PCIe 4.0 x16 LP slot(s) 1 PCIe 4.0 x8 LP slot(s) Note: PCIe slot 1/2 is occupied by the JBOD Expansion/Storage Controller
On-Board Devices	Chipset: Intel® C621A Network Connectivity: 2x 10GbE BaseT with Intel® X550 IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 RJ45 Dedicated IPMI LAN port USB: 4 USB 3.0 port(s) (4 Rear_USB) Video: 1 VGA port(s) Serial Port: 1 COM Port(s) (1 rear) DOM: 2 SuperDOM (Disk on Module) port



System Cooling 7x 8cm heavy duty fan(s)

Power Supply 1U 800/1600W Single Output Power Supply Titanium Level
Dimension (W x H x L): 76.5 x 40 x 360 mm
Output Type: 27 Pairs Gold Finger Connector

System BIOS BIOS Type: AMI 128MB SPI Flash EEPROM

Management SuperDoctor® 5; Watch Dog; NMI; SUM; IPMI 2.0

PC Health Monitoring CPU: Monitors for CPU Cores, Chipset Voltages, Memory
4+1 Phase-switching voltage regulator
FAN: Fans with tachometer monitoring
Status monitor for speed control
Pulse Width Modulated (PWM) fan connectors
Temperature: Monitoring for CPU and chassis environment
Thermal Control for fan connectors

Dimensions and Weight Height: 7"
Width: 17.2"
Depth: 27.5"
Gross Weight: 102.5 lbs (46.4 kg)
Net Weight: 65.5 lbs (29.7 kg)
Packaging: 15" x 27" x 39"
Available Color: Silver

Operating Environment ROHS: RoHS Compliant
Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)
Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)
Operating Relative Humidity: 8% to 90% (Non-Condensing)
Non-operating Relative Humidity: 5% to 95% (Non-Condensing)

Motherboard [Super X12DPI-NT6](#)

Chassis CSE-847BTS-R1K68LPBP4